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[54] HUMAN CYCLOOXYGENASE-2 CDNA AND ASSAYS FOR EVALUATING **CYCLOOXYGENASE-2 ACTIVITY** [75] Inventors: Wanda A. Cromlish, Montreal; Brian P. Kennedy, Kirkland; Gary O'Neill, Dollard Des Ormeaux; Philip J. Vickers, Pierrefonds; Elizabeth Wong, Montreal; Joseph A. Mancini, St. Leonard, all of Canada [73] Assignee: Merck Frosst Canada, Inc., Kirkland, Canada 05/064/271 [21] Appl. No.: 64,271 May 6, 1993 [22] Filed: Related U.S. Application Data [63] Continuation-in-part of Ser. No. 994,760, Dec. 22, 1992, abandoned. C12N 09/02; C12N 5/06 536/23.2 [58] Field of Search .... 435/25, 189, 69.2, 435/240.2; 536/23.2 [56] References Cited U.S. PATENT DOCUMENTS

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Primary Examiner—Mindy Fleisher
Assistant Examiner—David Schmickel
Attorney, Agent, or Firm—Curtis C. Panzer; David L. Rose

# [57] ABSTRACT

The invention discloses a human cyclooxygenase-2 cDNA, a human cyclooxygenase-2 and assays for preferentially and independently measuring cyclogenase-2 or cyclooxygenase-1 activity present in a given sample.

21 Claims, 4 Drawing Sheets